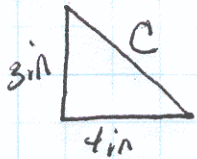


# 5-5-2 Pythagorean Theorem

Ⓐ 3 in + 4 in



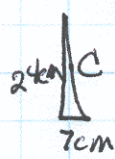
$$3^2 + 4^2 = c^2$$

$$9 + 16 = c^2$$

$$25 = c^2$$

$$25 \text{ in} = c$$

24 cm + 7 cm

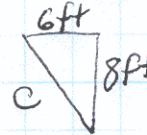


$$24^2 + 7^2 = c^2$$

$$625 = c^2$$

$$25 \text{ cm} = c$$

6 ft + 8 ft

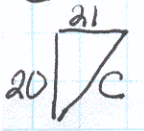


$$6^2 + 8^2 = c^2$$

$$100 = c^2$$

$$10 \text{ ft} = c$$

Ⓑ 21 m + 20 m

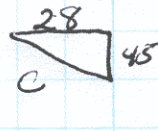


$$21^2 + 20^2 = c^2$$

$$841 = c^2$$

$$29 \text{ m} = c$$

45 in + 28 in

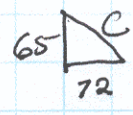


$$28^2 + 45^2 = c^2$$

$$2809 = c^2$$

$$53 \text{ in} = c$$

65 mm + 72 mm

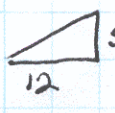


$$65^2 + 72^2 = c^2$$

$$9409 = c^2$$

$$97 \text{ mm} = c$$

Ⓒ 5 mi + 12 mi

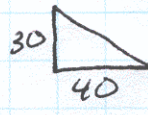


$$5^2 + 12^2 = c^2$$

$$169 = c^2$$

$$13 \text{ mi} = c$$

30 yards + 40 yards

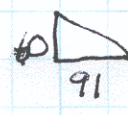


$$30^2 + 40^2 = c^2$$

$$900 + 1600 = c^2$$

$$50 \text{ yards} = c$$

91 furlongs + 60 furlongs

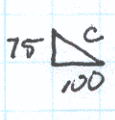


$$60^2 + 91^2 = c^2$$

$$11881 = c^2$$

$$109 \text{ furlongs} = c$$

Ⓓ 75 ft + 100 ft

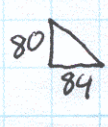


$$75^2 + 100^2 = c^2$$

$$15625 = c^2$$

$$125 \text{ ft} = c$$

80 in + 84 in

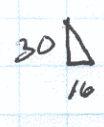


$$80^2 + 84^2 = c^2$$

$$13456 = c^2$$

$$116 \text{ in} = c$$

30 ft + 16 ft




$$30^2 + 16^2 = c^2$$

$$1156 = c^2$$

$$34 \text{ ft} = c$$

Ⓔ 2 in + 2 in



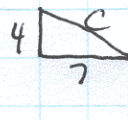
$$2^2 + 2^2 = c^2$$

$$4 + 4 = c^2$$

$$8 = c^2$$

$$2.83 \text{ in} = c$$

4 cm + 7 cm



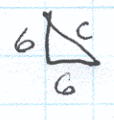
$$4^2 + 7^2 = c^2$$

$$16 + 49 = c^2$$

$$65 = c^2$$

$$8.06 \text{ cm} = c$$

6 ft + 6 ft



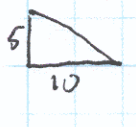
$$6^2 + 6^2 = c^2$$

$$36 + 36 = c^2$$

$$72 = c^2$$

$$8.49 \text{ ft} = c$$

Ⓕ 10 m + 5 m



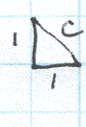
$$10^2 + 5^2 = c^2$$

$$100 + 25 = c^2$$

$$125 = c^2$$

$$11.18 \text{ m} = c$$

1 in + 1 in

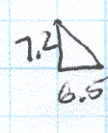


$$1^2 + 1^2 = c^2$$

$$2 = c^2$$

$$1.41 \text{ in} = c$$

6.5 mm + 7.2 mm



$$(6.5)^2 + 7.2^2 = c^2$$

$$42.25 + 51.84 = c^2$$

$$94.09 = c^2$$

$$9.7 \text{ mm} = c$$