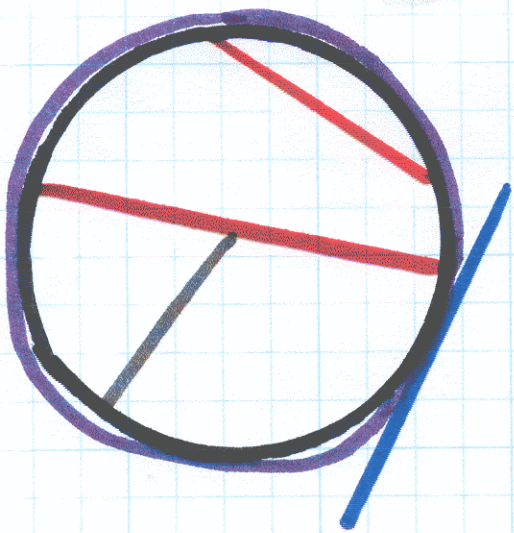


3-4-7 Circles

The table varies



$d = .9 \text{ cm}$ $C = .9\pi = 2.83 \text{ cm}$ $A = 0.64 \text{ cm}^2$	$d = 1.3 \text{ cm}$ $C = 1.3\pi = 4.08 \text{ cm}$ $A = 1.33 \text{ cm}^2$	$d = 2 \text{ cm}$ $C = 2\pi = 6.28 \text{ cm}$ $A = 3.14 \text{ cm}^2$	$d = 2.7 \text{ cm}$ $C = 2.7\pi = 8.48 \text{ cm}$ $A = 5.73 \text{ cm}^2$
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$(b) C = \pi d$ $C = \pi 6$ 18.85 cm	$A = \pi r^2$ $A = \pi (3)^2$ 28.27 cm^2	$C = \pi d$ $C = \pi 2$ 6.28 ft	$A = \pi r^2$ $A = \pi (1)^2$ 3.14 ft^2	$C = \pi d$ $C = \pi 7$ 21.99 in	$A = \pi r^2$ $A = \pi (3\frac{1}{2})^2$ $A = 38.48 \text{ in}^2$
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$(c) r = 3.4 \text{ mi}$ $C = \pi (6.8)$ 21.36 mi	$A = \pi (3.4)^2$ 36.32 mi^2	$r = 4\frac{3}{4} \text{ in}$ $C = \pi (9\frac{1}{2})$ 29.85 in	$A = \pi (4\frac{3}{4})^2$ 70.88 in^2	$3\frac{1}{4} \text{ in} = d$ $C = \pi (3\frac{1}{4})$ 9.87 in	$A = \pi (1\frac{1}{4})^2$ 7.76 in^2
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$(d) A = \pi r^2$ $\frac{12}{\pi} = \frac{\pi r^2}{\pi}$ $3.82 = r^2$ do square root $1.95 = r$ $d = 2r = 3.91 \text{ m}$ $C = 3.91\pi = 12.23 \text{ m}$	$C = \pi d$ $\frac{15}{\pi} = \frac{\pi d}{\pi}$ $d = 4.77$ $r = 2.39$ $A = \pi (2.39)^2$ $A = 17.9 \text{ ft}^2$	$A = 81 = \pi r^2$ $\frac{81}{\pi} = \frac{\pi r^2}{\pi}$ $25.78 = r^2$ square root $5.08 = r$ $d = 10.16 \text{ in}$ $C = \pi d =$ 31.9 in
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$(e) r = 5$ $A = \pi r^2$ $\pi (5)^2$ 78.54 ft^2	(60 in) $C = \pi d$ $\pi (60)$ 188.5 in	(80) $C = \pi 80 = 251.33 \text{ in}$ $A = \pi (40)^2 =$ $\pi 1600 = 5026.55 \text{ in}^2$
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$(f) r = 2.25$
 $r = 0.75$
 big-little
 $A = \pi (2.25)^2 - \pi (0.75)^2$
 $A = \pi \cdot 4.5 = 14.14 \text{ in}^2$
 $\times 3000 \text{ cds } 42411.5 \text{ in}^2$
 $\frac{144}{1} = \frac{42411.5}{x}$
 $x = 294.5 \text{ sq ft}$
 $294.5 \cdot 3$
 $\$883.57$

$(g) 200 = \pi r^2$
 $\frac{200}{\pi} = \frac{\pi r^2}{\pi}$
 $63.66 = r^2$
 $7.98 = r$
 $15.96 = d$
 $C = d\pi = 50.13 \text{ ft}$
 approx 10 panels

Tape bottom (2)
 $A = \pi (1)^2$
 $2 \text{ circles } 2\pi$
 cut corners + lay flat
 $A = 5 \cdot \pi (2)$
 10π
 $C = \pi d$
 Total $2\pi + 10\pi = 12\pi$
 $37.7 \text{ in}^2 \times 500$
 18849.6 in^2