2 - 9
Area of Irregular Shapes

Review All Areas

square: $l \cdot w$

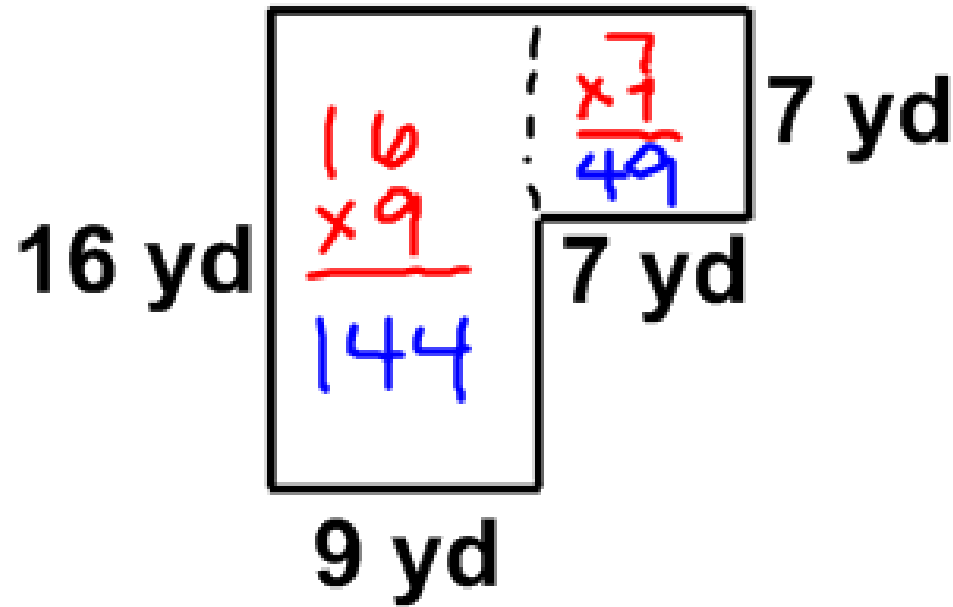**rectangle:** $l \cdot w$

triangle: $\frac{1}{2} b \cdot h$ or $\frac{bh}{2}$
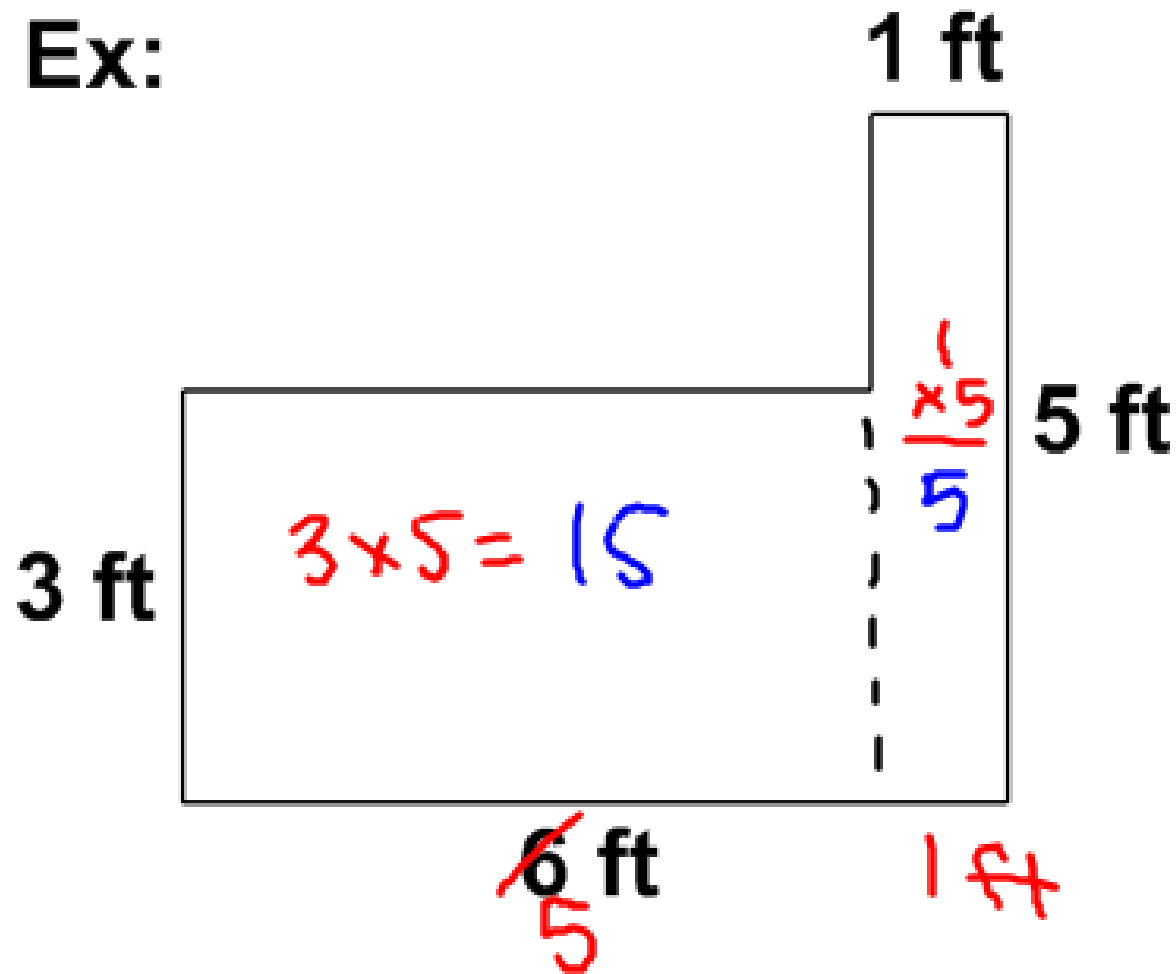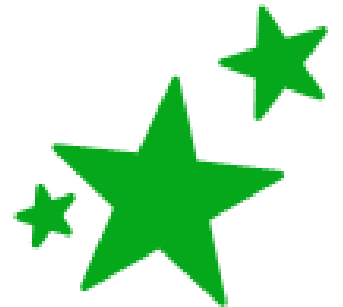
parallelogram: $b \cdot h$

circle: πr^2

Ex:

16 yd

16
×9
___
144

7 yd

×7
___
49

7 yd

9 yd

7 yd

$144 + 49 = \boxed{193 \ yd^2}$

Ex:

1 ft

5 ft

3 ft

$3 \times 5 = 15$

$\begin{array}{r} 1 \\ \times 5 \\ \hline 5 \end{array}$

$\cancel{6}_5$ ft

1 ft

$15 + 5 = \boxed{20 \text{ ft}^2}$

Ex:

1.5 cm

9 cm

$\begin{array}{r} 9 \\ \times 1.5 \\ \hline 13.5 \end{array}$
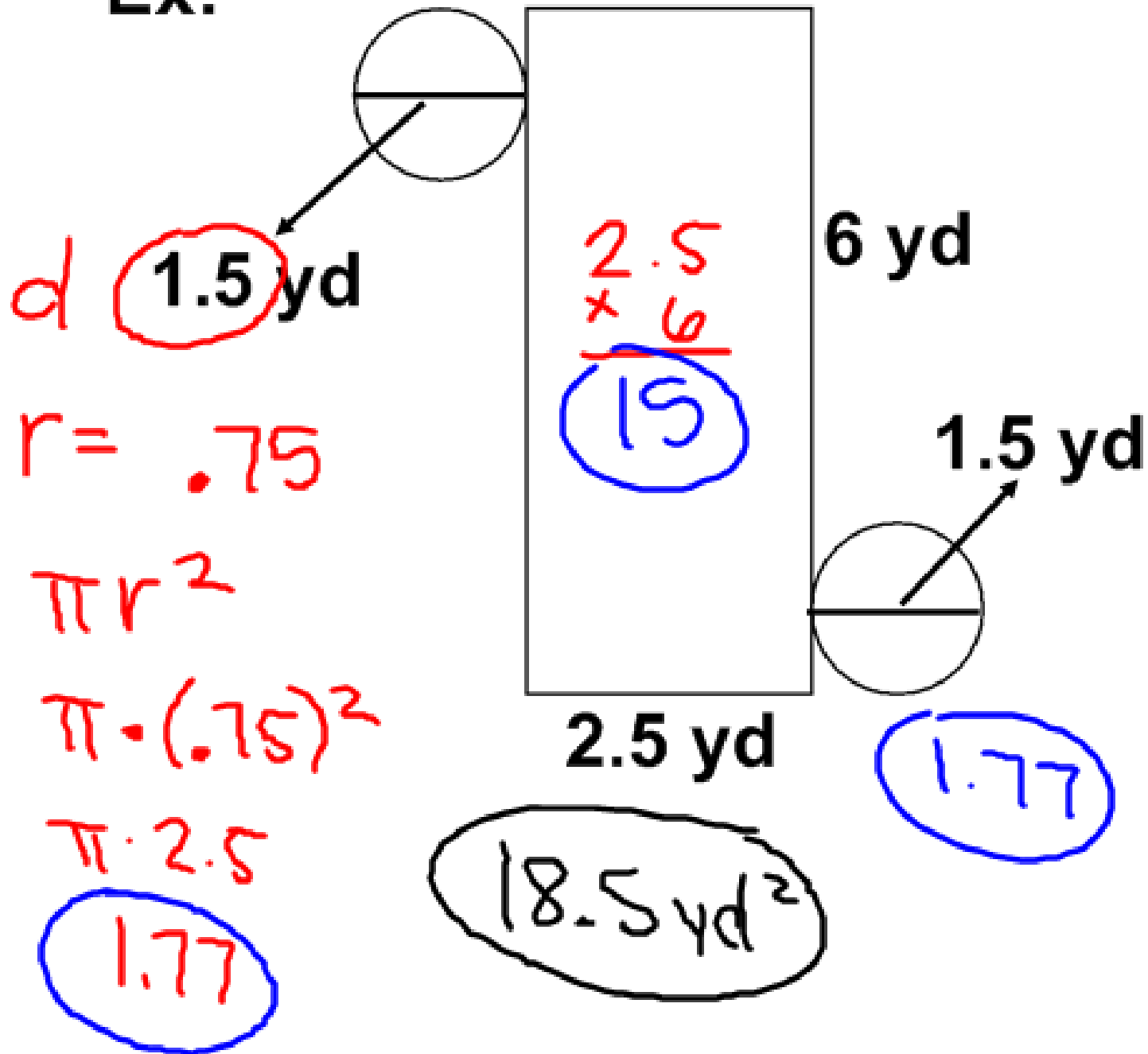
26.5 cm²

2 × 6.5 = 13   2 cm

1.5   8 cm

6.5

Ex:

d (1.5) yd

r = .75

πr^2

$\pi \cdot (.75)^2$

$\pi \cdot 2.5$

(1.77)

2.5
× 6
‾‾‾‾
(15)

6 yd

1.5 yd

2.5 yd

(1.77)

(18.5 yd²)

Homework:

2 - 9 WS