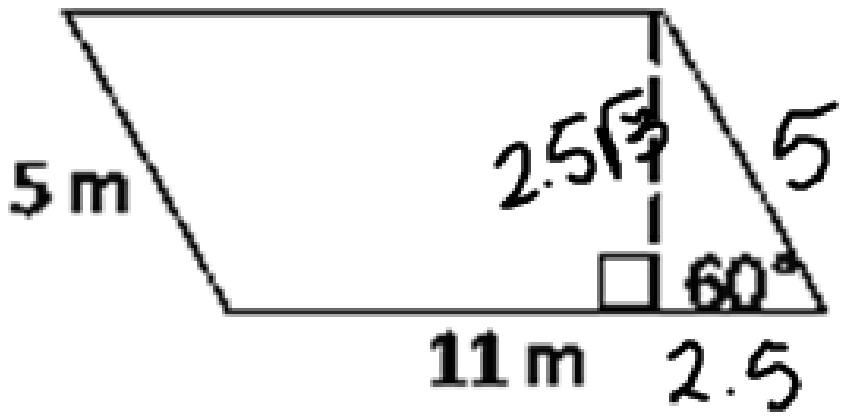
1.)

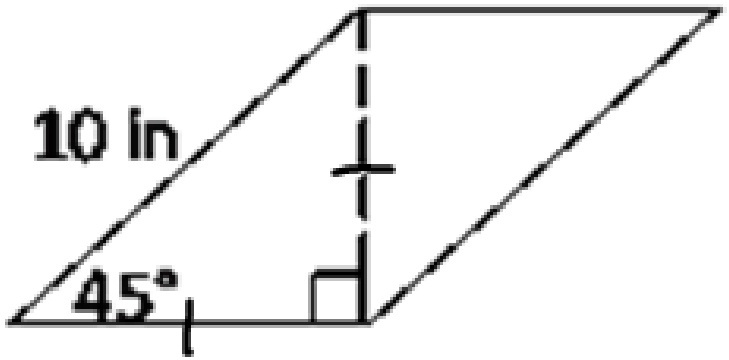


bh

$11 \cdot 2.5\sqrt{3}$

$47.6\ m^2$

2.)



bh

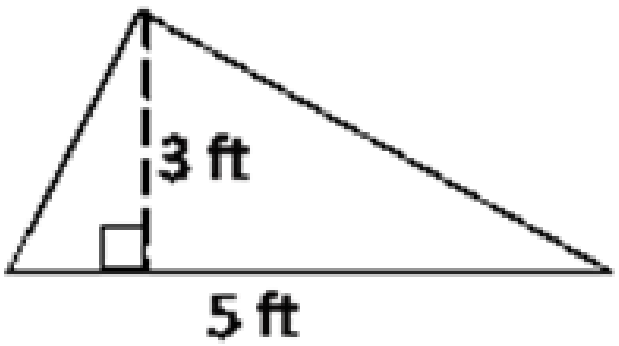
$\frac{10}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{10\sqrt{2}}{2} = 5\sqrt{2}$

$5\sqrt{2} \cdot 5\sqrt{2}$

$25 \cdot 2$

50 in^2

3.)

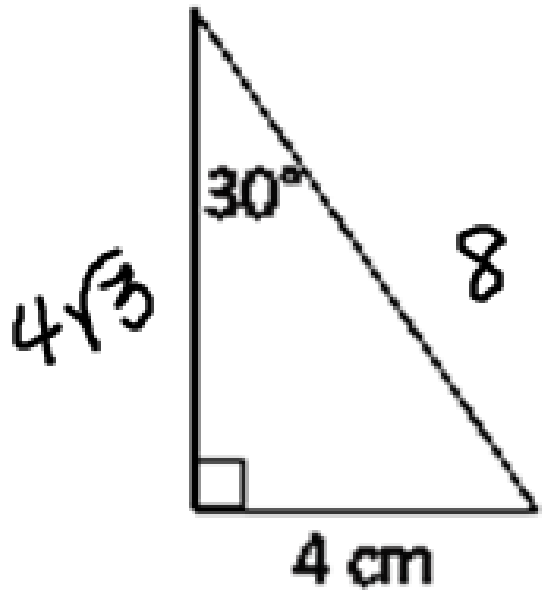


$\frac{1}{2}bh$

$\frac{1}{2} \cdot 5 \cdot 3$

7.5 ft^2

4.)



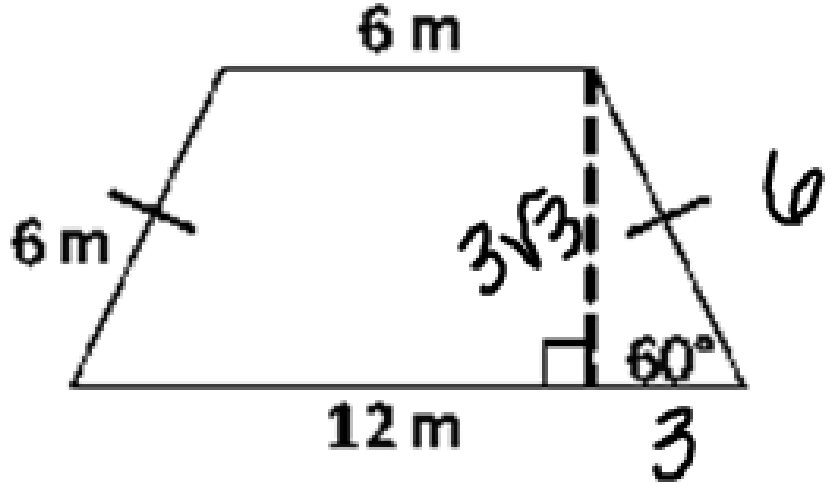
$\frac{1}{2}bh$

$\frac{1}{2} \cdot 4 \cdot 4\sqrt{3}$

$8\sqrt{3}$

$13.9 cm^2$

5.)



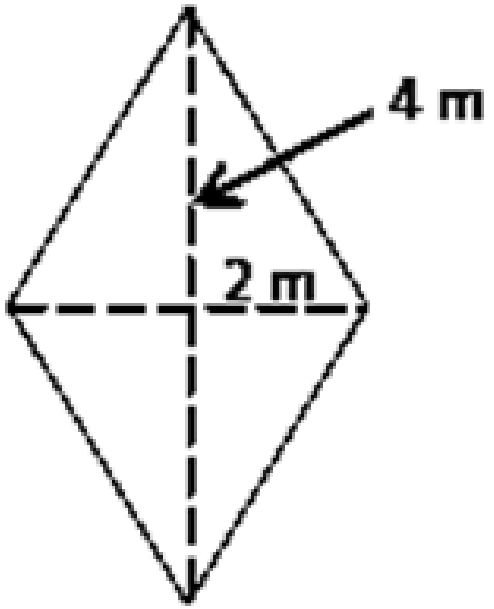
$\frac{1}{2}(b_1 + b_2)\,h$

$\frac{1}{2}(6 + 12) \cdot 3\sqrt{3}$

$27\sqrt{3}$

$46.8\ m^2$

6.)

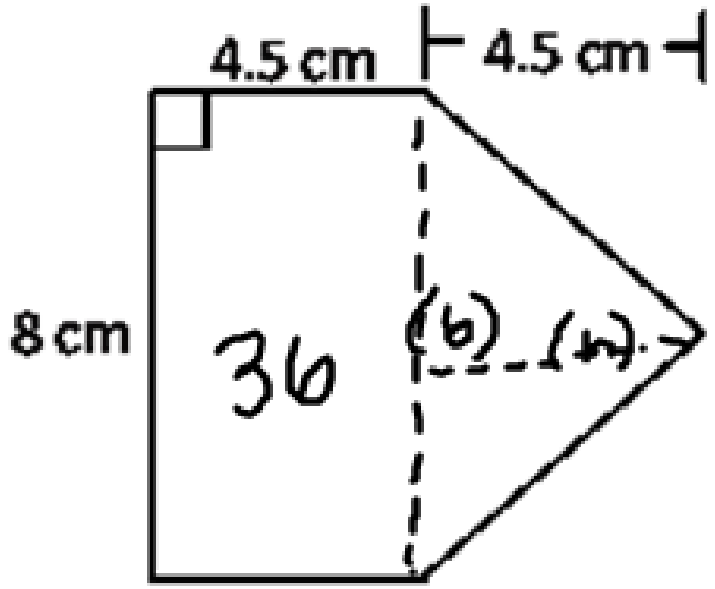


$\frac{1}{2} d_1 d_2$

$\frac{1}{2} \cdot 4 \cdot 2 = 4\,m^2$

$\frac{1}{2} \cdot 8 \cdot 4 = 16\,m^2$

7.)



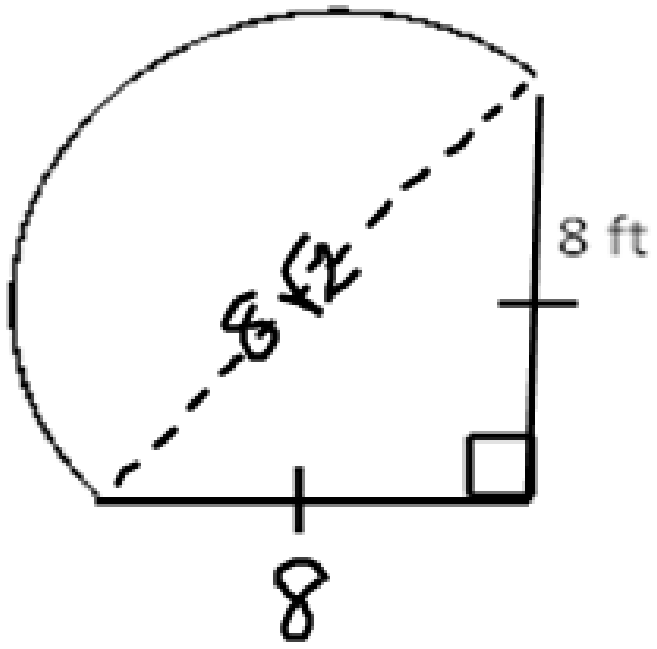
$8 \cdot 4.5 = 36$

$\frac{1}{2} \cdot 8 \cdot 4.5 = 18$

$+$

$54\ cm^2$

8.)



$r = 4\sqrt{2}$

$\frac{1}{2} \cdot 8 \cdot 8 = 32$

$+$

$\frac{1}{2}\pi(4\sqrt{2})^2 = 50.3$

$82.3\ ft^2$