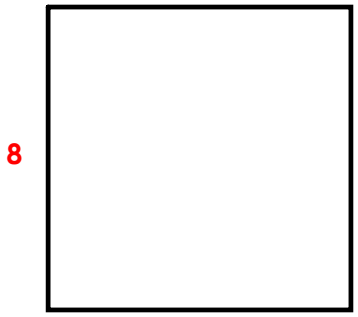
Independent Practice

Find the area of the following shapes

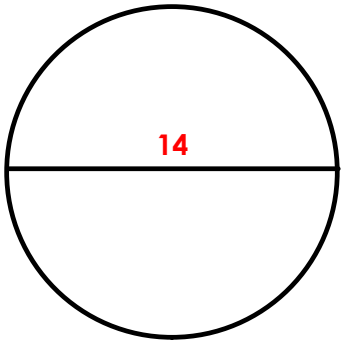
Shape: Square



Area = $A = 64$

Perimeter = $P = 32$

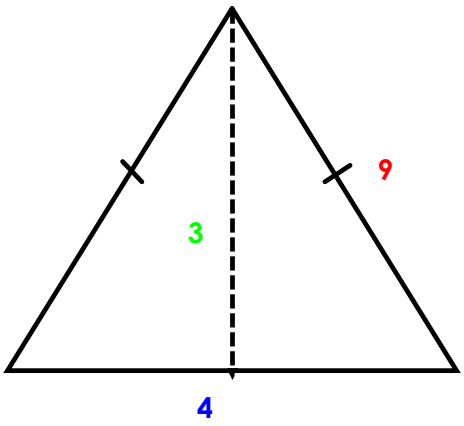
Shape: Circle



Area = 153.93

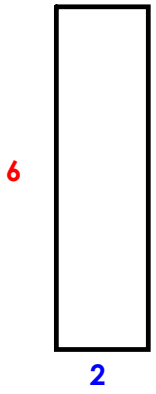
Perimeter = 43.98

Shape:



Area = $A = 6$

Shape:

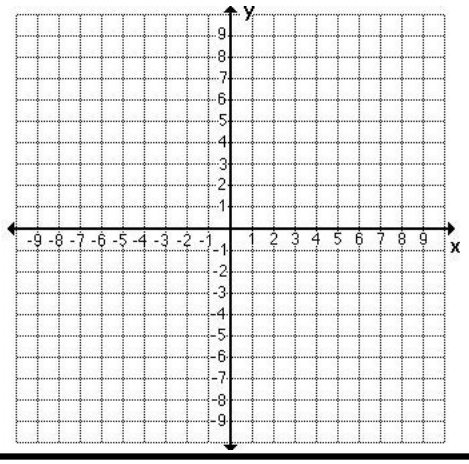


Area = $A = 12$

The base of the Great Pyramid in Egypt is a square whose sides measure about 752 ft. Estimate the area in acres of the base of the Great Pyramid to the nearest hundredth. (Hint: 1 acre = 43,560 ft^2.)

Don't do! or $\frac{565504}{43560} = 12.98$

Area on the Coordinate Plane



Find the area of a circle whose diameter endpoints are located at $A(-2,-3)$ and $B(4,3)$.

$r = \frac{\sqrt{72}}{2}$

$A = 56.55$

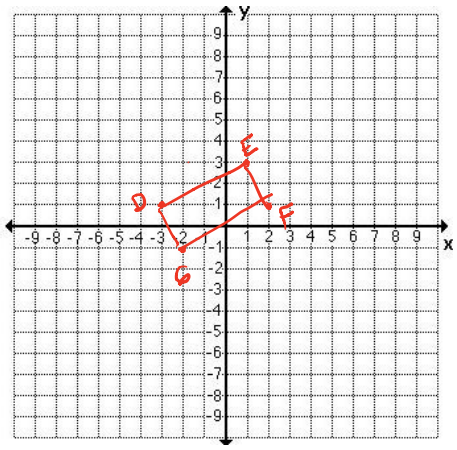
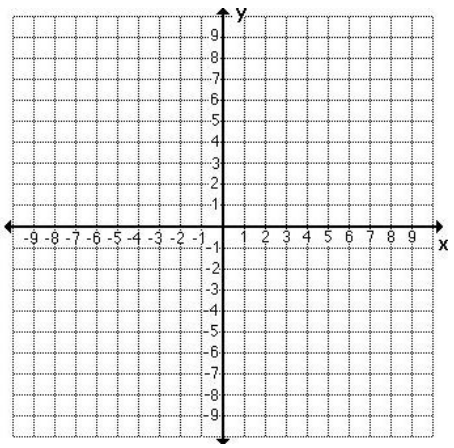


Figure $DEFG$ has vertices $D(-3,1)$, $E(1,3)$, $F(2,1)$ and $G(-2,-1)$. Find the area of DEFG.

$DG = \sqrt{5}$

$DE = \sqrt{20}$

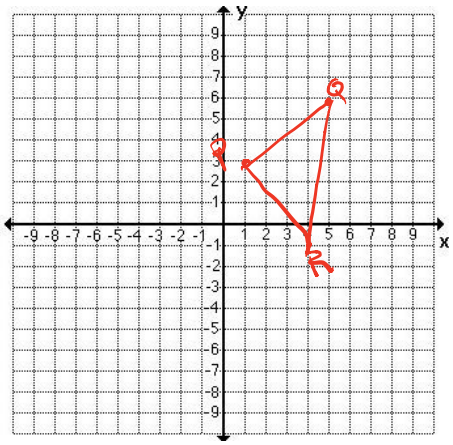
$A = 10$



Square MATH has points M(1,-2) and A(3,6). Find the area of square MATH.

$MA = \sqrt{68}$

$A = 68$



▲PQR has coordinates $P(1,3)$, $Q(5,6)$ and $R(4,-1)$. Find the area of ΔPQR.

$PQ = 5$

$RR = 5$

$A = 12.5$