1. Find the coordinates of the midpoint, M, of the points $R(7, 10)$ and $T(-27, 14)$.
   (☐, ☐)

2. The midpoint of $\overline{DH}$ is U; with $U(7, -4)$ and $H(-3, 6)$. Find the coordinates of D.
   (☐, ☐)

3. Find the distance between points A and B for $A(3, 8)$ and $B(15, 3)$.

Distance Formula

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

Midpoint Formula

$$M\left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}\right).$$