Solving Proportions and Solving for y

Search and Rescue
Solve for $x$

\[
\frac{4}{5} = \frac{x}{8}
\]
Graph the equation

\[ y = \frac{1}{2} x - 3 \]
Solve for $x$

$$\frac{x + 4}{3} = \frac{2}{9}$$
Solve for $y$ and then
Graph the equation

$2x + 5y = 10$
Solve for $x$

\[
\frac{3x + 2}{5x} = \frac{2}{7}
\]
Solve for $y$ and then graph the equation

$8x + 2y = -4$
Solve for $x$

\[
\frac{2}{5} = \frac{2x + 1}{7x - 3}
\]
Solve for $y$ and then
Graph the equation

$$2x + 2(y - 5) = -4$$
Solve for $x$

$$2x + 2(x - 5) = 4 - 3(x + 1)$$