In each of these cases rearrange to make x the subject:

1. $y = x - 4$
2. $y = 9x$
3. $y = \frac{x}{7}$
4. $y = 4x + 5$
5. $y = \frac{x}{6} + 2$
6. $m = 2x^2$
7. $p = \sqrt{x}$
8. $w = 4v + \sqrt{3u}$

Answers:

1. $y = x - 4$ $(+4)$
   $y + 4 = x$

2. $y = 9x$ $(\div 9)$
   $\frac{y}{9} = x$

3. $y = \frac{x}{7}$ $(\times 7)$
   $7y = x$

4. $y = 4x + 5$ (-5)
   $y - 5 = 4x$ $(\div 4)$
   $\frac{y-5}{4} = x$

5. $y = \frac{x}{6} + 2$ (-2)
   $y - 2 = \frac{x}{6}$ $(\times 6)$
   $6(y-2) = x$ (expand)
   $6y - 12 = x$

6. $m = 2x^2$ $(\div 2)$
   $\frac{m}{2} = x^2$ $(\sqrt{\ })$
   $\sqrt{\frac{m}{2}} = x$

7. $p = \sqrt{x}$ (square)
   $p^2 = x$

8. $w = 4v + \sqrt{3u}$ $(-4v)$
   $w - 4v = \sqrt{3u}$ (square)
   $(w-4v)^2 = 3u$ $(\div 3)$
   $\frac{(w-4v)^2}{3} = x$