



#12

Name: _____
7th grade

Solve the equations.

① $\frac{1}{2}x + 6 = 10$

② $\frac{2}{3}x - 3 = 4$

③ $8 + \frac{4}{5}x = 7$

④ $-2 + \frac{1}{3}x = 6$

⑤ $6x + 2 = 9x + 5$

⑥ $-3x - 2 = -5x - 1$

⑦ $4(x + 7) = 10$

⑧ $3(2x - 1) = 15$

Simplify.

$$\textcircled{1} \frac{a^3 b^2 c}{a^{-1} b^3 c^5}$$

$$\textcircled{2} a^5 b^{-2} \cdot a^{-3} b^0$$

$$\textcircled{3} (a^3)^{-1} \cdot (a^6)^2$$

$$\textcircled{4} \frac{3a^2}{9a}$$

$$\textcircled{5} 4a^3 \cdot 5a^7$$

$$\textcircled{6} (8a^6)^2$$

$$\textcircled{7} \frac{15a^{-2}}{3a^7}$$

$$\textcircled{8} (2abc)^4$$