

Fractional Algebra Practice

2. Solve for x by cross multiplying or by multiplying through.

a) $\frac{x}{3} = \frac{6}{2}$

b) $\frac{5}{x} = \frac{2}{4}$

c) $\frac{4}{3} = \frac{x}{-6}$

d) $\frac{x}{2} - \frac{x}{4} = 3$

e) $\frac{x}{5} + \frac{x}{3} = -16$

f) $\frac{x}{4} + \frac{5}{2} = 4$

g) $\frac{x+1}{3} = \frac{8}{6}$

h) $\frac{4}{x-2} = \frac{10}{5}$

i) $\frac{5}{3} = \frac{10}{x+7}$

j) $\frac{x}{3} + \frac{x}{4} = 14$

k) $\frac{x-3}{2} + \frac{x}{6} = \frac{5}{2}$

l) $\frac{x}{7} - \frac{x}{2} = -10$

Answers:

a. 9 b. 10 c. -8 d. 12 e. -30 f. 6 g. 3 h. 4 i. -1 j. 24 k. 6 l. 28