

Key

Solving Linear Equations Final Exam - Review

• Introduction/Review

a.  = 

b. $x = 10$

c. $x = 28$

$x = 96$

• Solving $ax=b$, $\frac{x}{a}=b$, $\frac{a}{x}=b$

a. $x = -\frac{5}{48}$ $x = \frac{24}{5}$

b. $x = -0.625$

c. $d = 333 \text{ km}$

d. $x = 6 \therefore$ hexagon

e. \$2343.75

• Solving $ax+b=c$, $\frac{x}{a}+b=c$

a. $x = \frac{1}{8}$ $x = \frac{19}{96}$

b. $x = -16.8$

c. 3 channels

d. 8h

• Solving $a(x+b)=c$

a. $x = -2.2$ $x = -\frac{20}{9}$

b. $x = -6.8$

c. \$35.95

• Solving $ax=b+cx$, $ax+b=cx+d$, $a(bx+c)=d(e+f)$

a) $x = -8$ $y = 0.5625$

b) $x = 6.4$ $x = 0.44$

c) 25 Dimes, 69 Nickels

d) Car A = 4.16 h
Car B = 4.583 h