

Name:

ANSWERS!

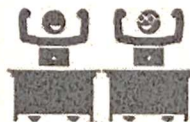
Period:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

## Lesson 8-2 Classwork

Calculators OK

a)  $3a - 6 = 15$

$+6 +6$

$3a = 21$

$a = 7$

d)  $2d + 12 = 32$

$-12 -12$

$2d = 20$

$d = 10$

b)  $4b + 3 = 23$

$-3 -3$

$4b = 20$

$b = 5$

e)  $3e - 7 = 11$

$+7 +7$

$3e = 18$

$e = 6$

c)  $\frac{c}{4} + 8 = 13$

$-8 -8$

$\frac{c}{4} = 5$

$c = 20$

multiply  
each side by  
4

f)  $\frac{f}{5} - 5 = 15$

$+5 +5$

$\frac{f}{5} = 20$

$f = 100$

Multiply  
each side  
by 5

g)  $4g + 2 = -58$

$-2 -2$

$4g = -60$

$g = -15$

k)  $-5k - 4 = -34$

$+4 +4$

$-5k = -30$

$k = 6$

h)  $2h - 7 = 3$

$+7 +7$

$2h = 10$

$h = 5$

l)  $2x + 13 = 27$

$-13 -13$

$2x = 14$

$x = 7$

i)  $\frac{i}{6} + 2 = 7$

$-2 -2$

$\frac{i}{6} = 5$

$i = 30$

m)  $\frac{m}{-5} - 7 = -17$

$+7 +7$

$\frac{m}{-5} = -10$

$m = 50$

j)  $-2j + 5 = 25$

$-5 -5$

$-2j = 20$

$j = -10$

n)  $\frac{2}{3}n + 3 = 7$

$-3 -3$

$\frac{2}{3}n = 4$

$n = 6$

Multiply  
each side  
by 3, which  
is the reciprocal  
of  $\frac{2}{3}$