

## Algebra I Practice Quiz 3.3/3.4

Solve

①  $3x+8=32$

②  $2(x-4)=2$

③  $1-\frac{3}{5}x=22$

④  $-\frac{2x}{3}+9=-7$

⑤  $-14x-4(2x-5)=9$

⑥  $2x+5=3x$

⑦  $-3x-4=4x+10$

⑧  $\frac{1}{2}(12+x)=\frac{3}{5}(5x-15)$

⑨  $8x-3=8x$

- ⑩ A video store charges \$8.00 to rent a video game for five days. You must be a member to rent from the store, but the membership is free. A video game club in town charges only \$3.00 to rent a game for five days, but membership in the club is \$50.00 per year. Which rental plan is more economical?