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| 1. Put your answer in simplest fraction form

$$ What is the value of \frac{3x}{x+2} when x=4$$ |  |
| 1. $What is \sqrt{18xy^{6}} written in simplest radical form?$

$$A. 2\sqrt{3xy } B. 3y^{2}\sqrt{2x} C. 3y\sqrt{6x} D. 6\sqrt{3}$$ |  |
| 3.$$What is the value of this expression when x=\frac{2}{3} $$$$ x^{2}+3x-2$$$$A. \frac{16}{3} B. \frac{40}{9} C. \frac{4}{3} D. \frac{4}{9}$$ |  |
| 1. $What is the value of this expression when a=64 and b= -5$

$$-2\sqrt[3]{a}+b^{2}$$ |  |
| 5. What value of p will make this equation true? $\frac{6p+4}{6}=\frac{4p-8}{3}$A. -10 B. -6 C. 2 D. 10 |  |
| 6. The formula shown can be used to find A, the amount of money Raul has in his savings account.**A=P +Prt**Raul wants to find r, the rate of interest his money earns. Which equations is solved correctly for r?1. R= Apt B. $r=A-2Pt $C. $r=\frac{A}{2Pt}$ D**.** $r= \frac{A-P}{Pt}$
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| 7. A theater sells 1,350 tickets one week. They sell both child and adult tickets and child tickets costs $2 and adult tickets cost $5. If they made $5,700 that week how many adult tickets did they sell? |  |
| 8. Factor:  |  |
| 9. Simplify: |  |
| 10. Identify the solutions to  |  |