Name: Period: Advanced Algebra with Trig 8.4 Opener M³+0M²+0M-20 Perform the indicated operation and simplify: $\frac{mO-20}{m-3} \longrightarrow M-3=0$ 2) $\frac{x^{2}-3x-10}{x^{2}+4x+3} \cdot \frac{x^{2}+2x-3}{x^{2}+x-2}$ $(\times -5)(\times -2) \cdot (\times +3)(\times -1)$ $(\times +3)(\times -1) \cdot (\times +2)(\times -1)$ 1) $\frac{4x^2 - 8x}{5x + 15} \div \frac{x - 2}{x + 3}$ 3) $\frac{4x(x-2)}{5(x+3)} \div \frac{(x-2)}{(x+3)}$ M=331000-20 $\frac{1397}{1397}$ 4x(x-21. (X+3) 5(x+3). (X-2) $M^2 + 3M + 9 + \frac{7}{M-3}$ Advanced Algebra with Trig Name: 8.4 Opener Period:

Perform the indicated operation and simplify:

1)
$$\frac{4x^2 - 8x}{5x + 15} \div \frac{x - 2}{x + 3}$$
 2) $\frac{x^2 - 3x - 10}{x^2 + 3x + 3} \bullet \frac{x^2 + 2x - 3}{x^2 + x - 2}$ 3) $\frac{m^3 - 20}{m - 3}$

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