Show your work!!

Reduce the rational expression to lowest terms. State the excluded value for each rational expression.

7. $\dfrac{4a(a+4)}{a^3 - 2a^2 - 24a}$

8. $\dfrac{2r^2 + 14r}{r^2 + r - 42}$

9. $\dfrac{x^2 - 9}{x^2 + 3x - 18}$

10. $\dfrac{8x^2 + 12x}{4x(x+2)(x-3)}$

11. $\dfrac{p^2 - 2p - 24}{p^2 - 16}$

12. $\dfrac{(2n-5)(2n-1)}{10n^3 - 5n^2 - 14n + 7}$