8. 
$$\lim_{x \to 1} \frac{x^2 + x - 6}{x^2} = \frac{2c+1}{1} = 5$$

(1).  $\frac{x^3 - 2x^2 + 1}{x^3 - 1} = \lim_{x \to 1} \frac{3x^2 - 4x}{2x^3} = -\frac{1}{2}$ 

(2).  $\frac{x^3 - 2x^2 + 1}{x^3 - 1} = \lim_{x \to 1} \frac{3x^2 - 4x}{2x^3} = -\frac{1}{2}$ 

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(3).  $\frac{x^3 - 4x}{x^3 - 1} = \lim_{x \to 1} \frac{x^3 - 4x}{x^3 - 1} = -\frac{1}{2}$ 

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(7).  $\frac{x^3 - 4x}{x^3 - 1} = -\frac{1}{2}$ 

(8).  $\frac{x^3 - 4x}{x^3 - 1} = -\frac{1}{2}$ 

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(19).  $\frac{x^3 -$ 

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42 
$$\lim_{x\to 700} \int x e^{\frac{x}{2}} = \lim_{x\to 700} \frac{\int x}{e^{x}} = \frac{2x^{5}}{4x^{5}} = \frac{2a}{1x^{5}}$$

44  $\lim_{x\to 70} \int x \cdot \ln x = \cos x \cdot \cos x \cdot \cos x = \frac{1}{x^{5}} = \frac$