Math III

Name

ID: 1

Basic Skills 2

Date

Period

Describe the end behavior of each function.

As
$$x \rightarrow + infinity$$
, then $f(x) \rightarrow -$

As
$$x \rightarrow -infinity$$
, then $f(x) \rightarrow -infinity$

1)
$$f(x) = (-x^5) 3x^3 - x + 2$$

regative L.C. \uparrow

odd degree

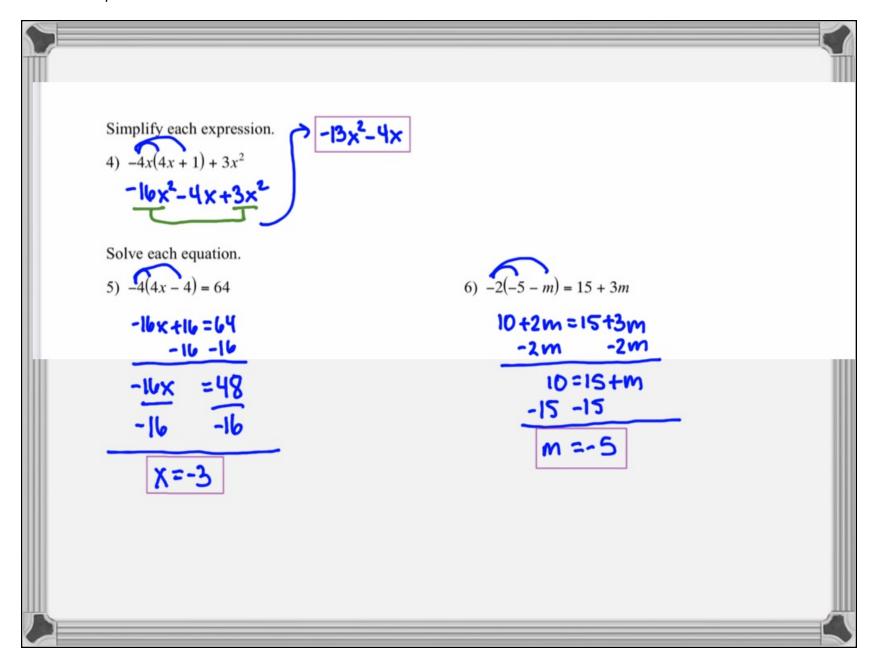


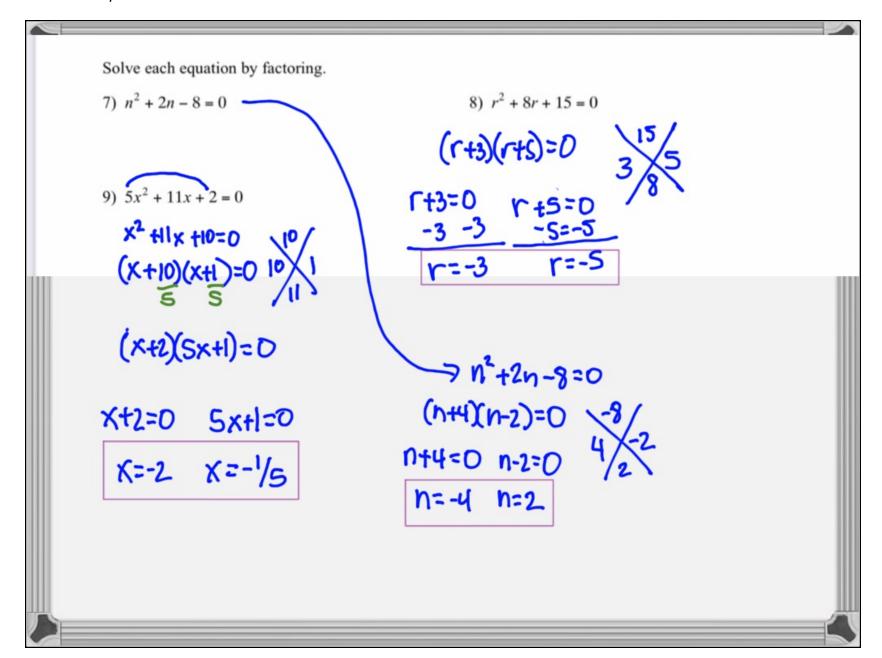
Factor each.

2)
$$f(x) = x^3 + 4x^2 + 3x$$

3)
$$f(x) = x^3 + 8x^2 + 16x$$

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Simplify. Your answer should contain only positive exponents. 10) $2x^4 \cdot (x^{-2})^3$	
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