

Factor each completely.

1. $h^2 + 10h - 56$

2. $c^2 - 28c + 192$

3. $48x^3 - 132x^2 - 378x$

Answers

Bellwork Alg 2A Thursday, February 16, 2017

Factor each completely.

1. $h^2 + 10h - 56$

NO GCF

$$\begin{array}{r} -56 \\ +14 \quad -4 \\ 10 \end{array}$$

$$(h+14)(h-4)$$

2. $c^2 - 28c + 192$

NO GCF

$$\begin{array}{r} 192 \\ -16 \quad -12 \\ -28 \end{array}$$

$$(c-16)(c-12)$$

3. $48x^3 - 132x^2 - 378x$

GCF = $6x$

$6x(8x^2 - 22x - 63)$

$$\begin{array}{r} -504 \\ +14 \quad -36 \\ -22 \end{array}$$

	$4x$	$+7$
$2x$	$8x^2$	$+14x$
-9	$-36x$	-63



$$6x(2x-9)(4x+7)$$