

Work on these after Hwk Quiz #2

Expand each using the box. Simplify answers.

1. $(2x + 3y)(4x - 5y)$

Ans _____

2. $(x^2 + 7)(2x^2 - 3)$

Ans _____

Factor out the GCF from each.

3. $48x^5 - 40x^3 = \underline{\hspace{1cm}}(\hspace{1cm})$

4. $3x^4 - 15x^3 - 42x^2 = \underline{\hspace{1cm}}(\hspace{1cm})$

5. $36a^5b + 28a^4b^3 - 8a^2b^4 = \underline{\hspace{1cm}}(\hspace{1cm})$

6. Fill in the spaces around the box.

Start by putting the GCF of the two terms in the top row in the space to the left of the top row.

$6x^2$	$-9x$
$+10x$	-15

7. Fill in the spaces on the left and right side of the X. Start with #'s that multiply to the top value and add to the bottom value.

a.

-96
•
+
-20

b.

156
•
+
-32