Monday
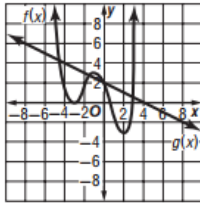
. One zero of $f(x) = x^3 - 7x^2 - 6x + 72$ is 4.
What is the factored form of the expression
$x^3 - 7x^2 - 6x + 72$?

F $(x - 6)(x + 3)(x + 4)$
G $(x - 6)(x + 3)(x - 4)$
H $(x + 6)(x + 3)(x - 4)$
J $(x + 12)(x - 1)(x - 4)$

Tuesday
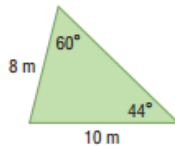
SHORT RESPONSE Given the graphs of $f(x)$ and
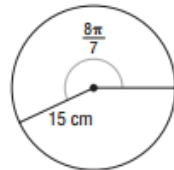$g(x)$, what is the value of $f(g(4))$?

Wednesday

GARDEN Lana has a garden in the shape of a triangle as
pictured below. She wants to fill the garden with top soil.
What is the area of the triangle? (Lesson 13-4)

60°

8 m

44°

10 m

Thursday

MULTIPLE CHOICE What is the length of the arc below
rounded to the nearest tenth? (Lesson 13-2)

A 4.2 cm

B 17.1 cm

C 53.9 cm

D 2638.9 cm

$\frac{8\pi}{7}$

15 cm

Friday

Write an equation for:

a circle with a diameter that has endpoints at $(-7, -2)$ and $(-15, 6)$