Section 6-7: Changing Units of Measure

1. 010427a, P.I. A.A.1
Which expression represents the number of yards in x feet?

[A] $\frac{x}{3}$ [B] $3x$ [C] $12x$ [D] $\frac{x}{12}$

2. 060014a, P.I. A.A.1
If rain is falling at the rate of 2 inches per hour, how many inches of rain will fall in x minutes?

[A] $\frac{x}{30}$ [B] $\frac{30}{x}$ [C] $2x$ [D] $\frac{60}{x}$

3. 060709a, P.I. A.M.2
Andy is 6 feet tall. If 1 inch equals 2.54 centimeters, how tall is Andy, to the *nearest centimeter*?

[A] 15 [B] 213 [C] 183 [D] 30

4. 060731a, P.I. A.M.2
If a United States dollar is worth $1.41 in Canadian money, how much is $100 in Canadian money worth in United States money, to the *nearest cent*?

[1] A

[2] A

[3] C

[2] 70.92, and appropriate work is shown, such as a proportion.
[1] Appropriate work is shown, but one computational or rounding error is made.
or [1] Appropriate work is shown, but one conceptual error is made.
or [1] 70.92, but no work is shown.
[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously incorrect procedure.

[4]