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These are alleged answers. For each error herein, you get extra-credit points for being the first to report it by e-mail.

$$1 \quad (a) \quad 2x + 5 \Big|_{x=5}^{x=3} = -4$$

$$(c) \quad x - A \Big|_{x=-a}^{x=A+a} = 2a + A$$

$$(b) \quad 2x + 5 \Big|_{x=-4}^{x=2} = 12$$

$$(d) \quad 8 - 3x \Big|_{1/5}^{3/10} = -3/10$$

$$2 \quad (a) \quad x^2 - 2x \Big|_{x=-A}^{x=A} = -4A$$

$$(c) \quad x^2 - 5280 \Big|_{x=a+b-c}^{x=a-b-c} = 4b(c - a)$$

$$(b) \quad x^2 - 2x \Big|_{x=A-B}^{A+B} = 4B(A - 1)$$

$$(d) \quad x^2 - 5280 \Big|_{x=2A-3B}^{x=3A-2B} = 5(A^2 - B^2)$$

$$3 \quad (a) \quad \frac{1}{x} \Big|_{x=A^2-A-12}^{x=A^2-9} = \frac{1}{(A+3)(A-3)(A-4)}$$

$$(b) \quad \frac{1}{x} \Big|_{x=A/B}^{x=B/A} = \frac{A^2 - B^2}{AB}$$

$$4 \quad (a) \quad Ax^2 \Big|_{x=AB^{-1}}^{x=A^{-1}B} = \frac{B^4 - A^4}{AB^2}$$

$$(b) \quad 64^x \Big|_{x=1/6}^{x=2/3} = 12$$

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