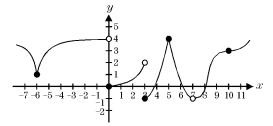
This figure shows the graph of f. Use this figure to answer the following question(s).



 $\lim_{x \to 7^-} f$  is

- a) 1
- b) 2
- c) -1
- d) 4
- e) 0

$$2. \quad \lim_{x \to 9} \frac{\sqrt{x} - 7}{x - 49} =$$

- a) 0
- b)  $-\frac{1}{7}$  c)  $\frac{1}{10}$
- $d) \frac{1}{3}$
- e) undefined

$$3. \quad \lim_{x \to 2} \frac{\frac{1}{x} - \frac{1}{2}}{x - 2} =$$

- a) 0

- b)  $\frac{1}{2}$  c)  $\frac{1}{4}$  d)  $\frac{1}{8}$  e)  $-\frac{1}{4}$

4. If 
$$\lim_{x\to 0} \frac{\sqrt{Ax+B}-5}{x} = 2$$
, then what are the values of A and B?

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AP Calculus Warm Up Day 16 Analytic Limits Hopkins 9/17/2014

1.

Answer:

CodePath: EAS.APC.C.A.10

2.

Answer: c

 ${\bf CodePath:} \qquad {\bf EAS.APC.C.B.26}$ 

3.

Answer: e

CodePath: EAS.APC.C.B.24

4.

Answer: A = 20, B = 25CodePath: EAS.APC.C.B.40