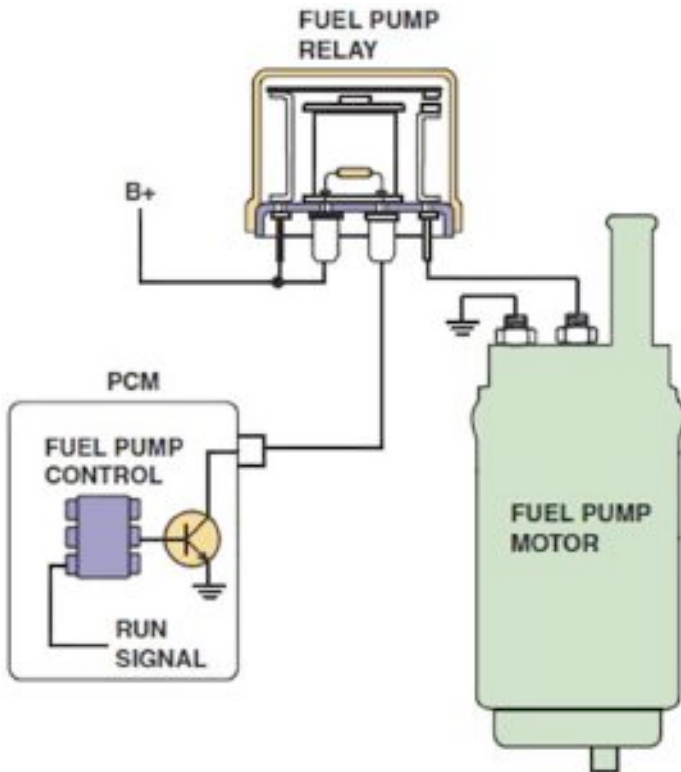Name_____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1) Refer to this diagram of a fuel pump control circuit. What type of a driver circuit is used in this circuit?

1) _____

    A) Low–side driver circuit
    B) High–side driver circuit
    C) PWM driver circuit
    D) Duty cycle driver circuit

2) Which item is a computer output device?

2) _____

    A) Fuel injector
    B) Transmission shift solenoid
    C) Evaporative emission control solenoid
    D) All of the above

3) Which item is a computer input sensor?

3) _____

    A) RPM
    B) Throttle position angle
    C) Engine coolant temperature
    D) All of the above

4) Which term describes the process of manually adjusting variables such as speed, load, and spark timing to determine the optimum output settings for the computer?

4) _____

   A) Engine mapping
   B) Signal conditioning
   C) Performance programming
   D) Reflashing

5) Which term describes the speed of data transmission?

5) _____

   A) Baud rate
   B) Oscillator speed
   C) Frequency
   D) Pulse width modulation

6) The throttle position sensor is an output component.

6) _____

   A) True
   B) False

7) Which sensor is used to measure manifold vacuum?

7) _____

   A) MAP
   B) RPM
   C) TP
   D) ECT

8) Which computer component generates a steady stream of one–bit long voltage pulses?

8) _____

   A) Clock generator
   B) Central processing unit
   C) Volatile memory
   D) Capacitor

9) The SAE term for the vehicle computer is _____.

9) _____

   A) PCM
   B) ECM
   C) ECU
   D) Controller

10) All OBDII vehicles use what type of read–only memory?

10) _____

   A) ROM
   B) PROM
   C) EPROM
   D) EEPROM

1) A
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2) D
   Page Ref: 870
3) D
   Page Ref: 870
4) A
   Page Ref: 869
5) A
   Page Ref: 869
6) B
   Page Ref: 870
7) A
   Page Ref: 870
8) A
   Page Ref: 869
9) A
   Page Ref: 867
10) D
   Page Ref: 868