

## QUIZ / Remote Control

NAME

DATE

CLASS PERIOD

Put a check ☐ in the o next to the correct answer.

1. How many different control configurations can be stored on the transmitter at a time?

☐ 2

☐ 5

☒ 6

☐ 8

2. What does a solid green light on the Program Status LED indicate?

☐ The controller is ready to begin downloading

☒ The controller is in the process of downloading a program

☐ The controller has finished downloading a program

☐ The controller battery level is okay.

3. Which of the following is not an LED on the Vex Controller?

☐ Battery Power

☐ Program Status

☐ Rx 1 Status

☐ Rx 2 Status

☒ All of the above are LEDs on the controller.

4. Which controller feature would you adjust if a motor's maximum output seemed to be beyond the joystick's physical reach?

☐ Scale

☒ Edit Pt

☐ Trim

☐ P. Mix

5. Which controller feature would you adjust if you wanted your robot to move forward when you pulled back on the joysticks?

☐ Config

☒ Reverse

☐ Scale

☐ Edit Pt

6. Where should an encoder be plugged into the Vex Controller?

NOTE: the quad encoders use both interrupt and analog/digital. The older optical encoders only use the interrupt ports.

☒ Interrupt Port

☐ Motor Port

☐ Analog/Digital Port

☐ Serial Port

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7. What is the function of the crystal in the Vex receiver?
- ☐ Emit radio signals
  - ☐ Block out radio signals from other sources
  - ☐ Store downloaded programs
  - ☐ Pick up signals from Vex transmitter
8. What would be the effect of lowering the exponential scaling value for one of the transmitter channels?
- ☐ The maximum motor output would decrease
  - ☐ The maximum motor output would increase
  - ☐ The joystick's sensitivity to touch would decrease
  - ☐ The joystick's sensitivity to touch would increase
9. What effect does the P. Mix menu have on the slave channel?
- ☐ It prevents the channel from operating
  - ☐ It causes random movement
  - ☐ It locks the channel from being further modified within that configuration
  - ☐ It causes the channel to be influenced by the actions of the master channel
10. Why must you pay close attention to the motor ports when you switch the transmitter to Drive mode 12?
- ☐ Several of the ports do not function in this mode
  - ☐ The port associated with each axis is not the same as it is in Drive mode 23
  - ☐ Two motors must be plugged in simultaneously for the mode to operate
  - ☐ It is not important to pay close attention to the motor ports in Drive mode 12