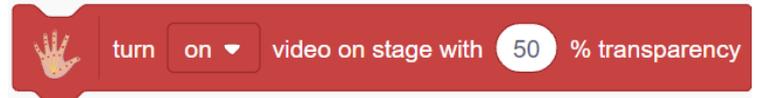# SOLVED WORKSHEET

SESSION 6
AI Space Battle Game

This worksheet belongs to _____

1. Which of the following sentences are true for: (1 or more correct answer):

turn on ▼ video on stage with 50 % transparency

a) Turns ON video on the PictoBlox stage
b) The video shown on stage covers 50% of the stage
c) Shows only your hands in the video
d) Transparency of the video shown on the stage is 50%

Answer: ___a), d)___   *2 Points*

2. The **block-** wait 0.1 seconds pauses the flow of the program for exactly 0.1 seconds.
a) True   b) False

Answer: ___a)___   *1 Point*

3. The **block-** key space ▼ pressed? belongs to which one of the following palette?:

a) Motion   c) Sensing
b) Control   d) Operators

Answer: ___c)___   *1 Point*

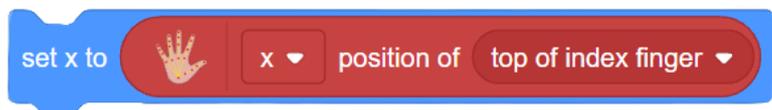**4.** **Re-order** the following blocks, so that a bullet is fired every time space bar key is pressed.

a) if ___ then

c) create clone of Bullet ▼

b) wait 0.1 seconds

d) key space ▼ pressed?

Answer: (i) __a)__ (ii) __d)__ (iii) __c)__ (iv) __b)__   *4 Points*

5. Please describe, what this code does -
set x to 🖐 x ▼ position of top of index finger ▼

Answer:

This code sets the x-position of the sprite, equal to x-position of the top of index finger, on the stage. It does this, from the video that it detects on the camera.

2 Points