## A1: Introduction to digital pictures and color

#### **Questions**

1. 8 bits
2. 3 bytes
3. 307200 pixels

## A2: Picking a color

#### **Questions**

1. java.awt.Color[r=255,g=51,b=255]
2. java.awt.Color[r=255,g=255,b=0]
3. java.awt.Color[r=153,g=0,b=153]
4. java.awt.Color[r=255,g=255,b=255]
5. java.awt.Color[r=102,g=102,b=102]

## A3: Exploring a picture

#### **Questions**

1. 0
2. 0
3. 639
4. 479
5. Top to bottom
6. Left to right
7. Yes, I see lots of "squares of color" in the pixelated image.

## A4: Two-dimensional arrays in Java

#### **Exercises**

[Completed, see IntArrayWorker class]

## A5: Modifying a picture

#### **Questions**

1. No, the method is not there.
2. Yes, the method is there.
3. No, it does not compile.
4. Yes
5. Yes
6. Yes
7. No

#### **Exercises**

1. 2. 3. 4. 5. 6.

## A6: Mirroring pictures

#### **Exercises**

1. 2. 3. 4.

## A7: Mirroring part of a picture

#### **Questions**

1. 2.

#### **Exercises**

1. 2. 3.

## A8: Creating a collage

#### **Exercises**

1. 2.

## A9: Simple edge detection

#### **Exercises**

1. 2.